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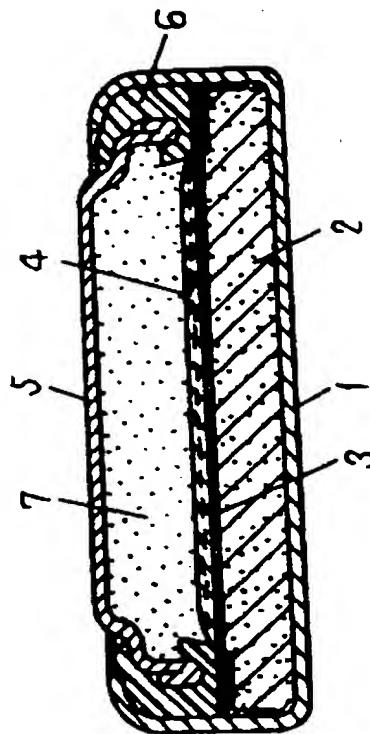
APPLICATION DATE : 11-07-84
APPLICATION NUMBER : 59143539

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : SAWAI TADASHI;

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TITLE : SEALED BATTERY



ABSTRACT : PURPOSE: To increase leakage resistance and discharge life and make production easy by mainly using precipitation hardening steel containing a specified weight per cent or more of nickel and chromium and a small amount of aluminum as a sealing plate material.

CONSTITUTION: A sealing plate 5 is combined with a battery case 1, and the opening of the case 1 is bent to seal a battery. A three layer material, having a thickness of 0.10mm, mainly comprising precipitation hardening steel containing 7wt% nickel, 17wt% chromium, and 1wt% aluminum, and forming a nickel layer on its outer side and a copper layer on its inner side is used as a material for the sealing plate 5. After forming, the steel is heated at $955\pm 10^{\circ}\text{C}$ for 10min, cooled to room temperature, kept at $73\pm 6^{\circ}\text{C}$ for 8hr within 24hr after cooling, heated at $510\pm 10^{\circ}\text{C}$ for 60min, then cooled. Thereby, leakage resistance and discharge life are increased and production is made easy.

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